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Device and method for producing pneumatic tires having preselected **noise characteristics** - group of 2 »

PJ Sekula, GR Potts - US Patent 4,442,499, 1984 - Google Patents

... pneumatic **tires** having preselected **noise characteristics**. constant providing a voltage signal whose magnitude 1. A device for producing a **design** element ...

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All-season pneumatic **tire** with chamfered tread blocks

US Patent 4,690,189, 1987 - freepatentsonline.com

... varied as a function of the pitch variations customarily used in the **design** and manufacture of pneumatic **tires** primarily for **noise** control ...

[Cited by 34](#) - [Related Articles](#) - [Cached](#) - [Web Search](#)

Low **noise** sequence of tread elements for vehicle tires and related generation method

C Monguzzi, R Bergomi, P Bandel - US Patent 5,371,685, 1994 - patentstorm.us

... **tire** tread with good **noise characteristics** according to the invention includes at least one circumference in which a composed sequence of a plurality of **design** ...

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NOISELESS TREAD PORTION FOR TIRE CASING

US Patent 3,023,798, 1962 - Google Patents

... be easily controlled without affecting the desired **design** and other **characteristics** of the **tire** tread. The importance of controlling the **noise**-energy generated ...

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Nonlinear control of roll moment distribution to influence vehicle yaw **characteristics** - group of 2 »

DE Williams, WM Haddad - Control Systems Technology, IEEE Transactions on, 1995 - ieeexplore.ieee.org

... of Roll Moment Distribution to Influence Vehicle Yaw **Characteristics** Daniel E ... perform two functions: isolation of the cabin from road **noise**, and transmission of ...

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Noise reduction in pneumatic tires - group of 2 »

SA Lippman, GP Stokes, CM Chupa - US Patent 4,178,199, 1979 - Google Patents

... other means of **tire** vibration, and are allowed to be ... would generate an unacceptable high level of **noise**. ... established as a result of evaluation - 55 **design** would generate ...

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Receiver **design** using the dependence between quadrature components of impulsive radio **noise**

S Miyamoto, M Katayama, N Morinaga - Communications, 1995. ICC 95 Seattle, Gateway to ..., 1995 - ieeexplore.ieee.org

... 2486-2/95 \$4.00 © 1995 IEEE 1784 Receiver **Design** Using the ... For time case of **tire** corivemitorial receiver designed for Gaussian **noise**, the decision ...

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All-season high-performance radial-ply passenger pneumatic **tire**

US Patent 5,000,239, 1991 - patentstorm.us

... that combines a number of **design** features or parameters which yield a **tire** which has road **noise**, tread wear and handling performance **characteristics** which are ...

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Results 1 - 10 of about 1,190,000 for **tire design noise** . (0.14 seconds)Application of Tire/Road Noise in Tire Design

Engineering technical paper: Application of **Tire/Road Noise** in **Tire Design**.
www.sae.org/technical/papers/2002-01-1237 - 25k - [Cached](#) - [Similar pages](#)

Machine harnesses sound science to probe causes of road noise

Engineers have several theories for the root causes of highway **noise**. ... During this investigation, other **tire design** variables such as **tire pressure** and ...
www.purdue.edu/UNS/html3month/030325.Bernhard.tiremach.html - 11k -
[Cached](#) - [Similar pages](#)

Engineers 'tread' toward quieter tires

The work by Bolton and Kim represents an attempt to relate specifically how a **tire's design**, and its associated vibrations, produce **noise**. ...
www.purdue.edu/UNS/html4ever/010803.Bolton.tires.html - 9k -
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Bridgestone/Firestone North American Tire, LLC

UNI-T AQ Technology delivers new advances in **tire design**, ... And it helps prevent the increase in **noise** levels that tends to occur as **tire tread** wears away ...
www.bridgestonetire.com/technology/unit_aq.asp - 14k - [Cached](#) - [Similar pages](#)

Sh-h-h-h! Quiet tire ahead: Uniroyal Goodrich sounds out new way ...

Tire noise is determined by the relationships of the blocks and void areas of a tread **design**. The key to selecting a **design** for a **tire** is to position the ...
www.findarticles.com/p/articles/mi_m3165/is_n2_v25/ai_7063004 - 32k -
[Cached](#) - [Similar pages](#)

Noise pollution - Wikipedia, the free encyclopedia

Noise pollution, usually called environmental **noise** in technical venues, ... to reduce braking and acceleration, innovative **tire design** and other methods. ...
en.wikipedia.org/wiki/Noise_pollution - 48k - [Cached](#) - [Similar pages](#)

Method for designing a tire with reduced cavity noise - Patent 7073382

Different **tire designs** may be used as a starting point to compare the behavior of each **tire** with respect to **noise** due to cavity resonance. ...
www.freepatentsonline.com/7073382.html - 37k - [Cached](#) - [Similar pages](#)

"Treading Lightly," Feature Article, April 2003

Some **tire** manufacturers claim very little **noise** difference from one **tire design** to another, then "prove" the claim by testing only three or five tires, ...
www.memagazine.org/backissues/membersonly/apr03/features/treading/treading.html - 20k -
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[PDF] Unique test facility's goal is a quieter highway – a better neighbor

File Format: PDF/Adobe Acrobat

tire/pavement noise. **Tire noise** can be heard for miles, ... Alternate **tire designs** can be mounted for testing while maintaining the same road surface. ...
www.quietpavement.com/hotmixasphalt/docs/SQDH_Center_Researches_Tire-Pavement_Noise.pdf - [Similar pages](#)

Institute of Mechanics and Computational Mechanics - Hannover ...

Investigations of road surfaces and **tire design** concerning sound radiation are two other main pillars of the research project. The numerical **tire noise** ...
www.ibnm.uni-hannover.de/Forschung/Projekte/brinkmei.tirenoise/index.html.en - 18k -
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
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Mechanical Systems and Signal Processing, Volume 16, Issue 6, November 2002, Pages 1043-1058
J. PÉRISSE
[Abstract](#) | [Abstract + References](#) | [PDF \(334 K\)](#)

 2. ☐ **ON THE HORN EFFECT OF A TYRE/ROAD INTERFACE, PART I: EXPERIMENT AND COMPUTATION • ARTICLE**
Journal of Sound and Vibration, Volume 256, Issue 3, 19 September 2002, Pages 417-431
R. A. G. GRAF, C. -Y. KUO, A. P. DOWLING and W. R. GRAHAM
[Abstract](#) | [Abstract + References](#) | [PDF \(643 K\)](#)

 3. ☐ **ON THE HORN EFFECT OF A TYRE/ROAD INTERFACE, PART II: ASYMPTOTIC THEORIES • ARTICLE**
Journal of Sound and Vibration, Volume 256, Issue 3, 19 September 2002, Pages 433-445
C. -Y. KUO, R. A. G. GRAF, A. P. DOWLING and W. R. GRAHAM
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Journal of Sound and Vibration, Volume 253, Issue 4, 13 June 2002, Pages 889-908
K. LARSSON and W. KROPP
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 5. ☐ **The modelling of the dynamic behaviour of tyre tread blocks • ARTICLE**
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Krister Larsson, Stéphane Barrelet and Wolfgang Kropp
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 6. ☐ **SOUND RADIATION FROM A VIBRATING RAILWAY WHEEL • ARTICLE**
Journal of Sound and Vibration, Volume 253, Issue 2, 30 May 2002, Pages 401-419
D. J. THOMPSON and C. J. C. Jones
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[Reliability, IEEE Transactions on](#)
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Pushkar Hingwe; Han-Shue Tan; Packard, A.K.; Tomizuka, M.;
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